

In the Claims:

1. (Amended) A computer network, comprising:
- a plurality of interconnected nodes, each one of said nodes having a DTE device coupled thereto and wherein said DTE device coupled to a first one of said nodes further comprises:
 - a computing system located at a first location;
 - a human interface located at a second location, said second location remotely located relative to said first location, said human interface comprised of a video monitor and an input/output ("I/O") device;
 - a first interface device coupled to said computing system;
 - a second interface device coupled to said video monitor and said I/O device of said human interface;
 - a transmission line coupling said first and second interface devices;
 - said first interface device [converting signals generated by said computing system into a format suitable for transmission to said second interface device and said second interface device converting signals, received from said first interface device into a format suitable for transmission to said human interface] receiving, from said computing system, a video signal to be transmitted to said video monitor and a non-video signal to be transmitted to said I/O device and combining said video signal and said non-video signal into a combined video/non-video signal having a format suitable for transmission to said second interface device;
 - said combined video/non-video signal being transmitted to said second interface device via said transmission line;
 - said second interface device receiving said combined video/non-video signal from said first interface device and separating said video signal and said non-video signal therefrom for respective propagation to said video monitor and said I/O device.

Please cancel Claim 6 without prejudice or disclaimer.

AA₂ 4/7. (Amended) A computer network according to claim [6] 1 wherein said first I/O device of said human interface further comprises either a printer, a keyboard, or a mouse coupled to said second interface device.

8 8. (Amended) A computer network, comprising: [according to claim 8]
a plurality of interconnected nodes, each one of said nodes having a DTE device coupled thereto and wherein said DTE device coupled to a first one of said nodes further comprises:
a computing system located at a first location;
a human interface located at a second location, said second location remotely located relative to said first location, said human interface comprised of a video monitor and at least one input/output ("I/O") device;
a first encoder coupled to said computing system;
a first decoder coupled to said video monitor and said at least one I/O device; and
a transmission line coupling said encoder and said decoder;
said first encoder receiving, from said computing system, a video signal to be transmitted to said video monitor and a non-video signal to be transmitted to said at least one I/O device and combining said video and said non-video signals into a first combined signal;
said first decoder receiving said first combined signal from said first encoder and separating said video and non-video signals therefrom for respective propagation to said video monitor and said at least one I/O device;
wherein said human interface further comprises first, second and third I/O devices and wherein said computer network further comprises:
a second encoder, coupled to said computing system and said first encoder, said second encoder receiving a first non-video signal to be transmitted to

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said first I/O device, a second non-video signal to be transmitted to said second I/O device and a third non-video signal to be transmitted to said third I/O device and combining said first, second and third non-video signals into said non-video signal received by said first encoder; and

a second decoder, coupled to said first decoder and said first, second and third I/O devices, said second decoder receiving said non-video signal from said first decoder, separating said first, second and third non-video signals therefrom and transmitting said first, second and third non-video signals to said first, second and third I/O devices, respectively.

16 17. (Amended) A computer network having commonly located computing systems, comprising:

a plurality of nodes, each one of said nodes having a DTE device coupled thereto; and

AB
a connective structure for interconnecting said DTE devices respectively located at said plurality of nodes into a computer network;

wherein at least two of said nodes are positioned at a common location and wherein said DTE device coupled to each one of said at least two nodes positioned at said common location further comprises:

a computing system located at said common location;

a human interface located at a second location, said second location remotely located relative to said common location, said human interface comprised of a video monitor and [at least one] an input/output ("I/O") device;

a first interface device coupled to said computing system;

a second interface device coupled to said video monitor and said [at least one] I/O device;

a transmission line coupling said first interface device and said second interface device;

3
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said first interface device converting a video signal to be transmitted to said video monitor and a non-video signal to be transmitted to said [at least one] I/O device into [at least one] a combined signal having a format suitable for transmission to said second interface device over said transmission line and said second interface re-converting said [at least one] combined signal having said format, received from said first interface device over said transmission line, into said video signal and said non-video signal for respective propagation to said video monitor and said [at least one] I/O device.

21 28. (Amended) A computer network [according to claim 22] having commonly located computing systems, comprising:

4
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a plurality of nodes, each one of said nodes having a DTE device coupled thereto; and

a connective structure for interconnecting said DTE devices respectively located at said plurality of nodes into a computer network;

wherein at least two of said nodes are positioned at a common location and wherein said DTE device coupled to each one of said at least two nodes positioned at said common location further comprises:

a computing system located at said common location;

a human interface located at a second location, said second location remotely located relative to said common location, said human interface comprised of a video monitor and at least one input/output ("I/O") device;

a first encoder coupled to said computing system;

a first decoder coupled to said video monitor and said at least one I/O device;

a transmission line coupling said encoder and said decoder;

said first encoder receiving, from said computing system, a video signal to be transmitted to said video monitor and a non-video signal to be transmitted to

said at least one I/O device and combining said video and said non-video signals into a first combined signal;

said first decoder receiving said first combined signal from said first encoder and separating said video and non-video signals therefrom for respective propagation to said video monitor and said at least one I/O device;

wherein said human interface of said DTE device coupled to each one of said at least two nodes further comprises first, second and third I/O devices and wherein said DTE device coupled to each one of said at least two nodes further comprises:

a second encoder, coupled to said computing system and said first encoder, said second encoder receiving a first non-video signal to be transmitted to said first I/O device, a second non-video signal to be transmitted to said second I/O device and a third non-video signal to be transmitted to said third I/O device and combining said first, second and third non-video signals into said non-video signal received by said first encoder; and

a second decoder, coupled to said first decoder and said first, second and third I/O devices, said second decoder receiving said non-video signal from said first decoder, separating said first, second and third non-video signals therefrom and transmitting said first, second and third non-video signals to said first, second and third I/O devices, respectively.

Please add Claims 34-36 as follows:

~~33~~ ~~--34~~. A computer network, comprising:

a plurality of interconnected nodes, each one of said nodes having a DTE device coupled thereto and wherein said DTE device coupled to a first one of said nodes further comprises:

a computing system located at a first location;

a human interface located at a second location, said second location remotely located relative to said first location, said human interface comprised of a video monitor and an input/output ("I/O") device;

a first interface device coupled to said computing system;

a second interface device coupled to said video monitor and said I/O device of said human interface;

a transmission line coupling said first and second interface devices;

said first interface device receiving, from said computing system, at least two video signals to be transmitted to said video monitor and a non-video signal to be transmitted to said I/O device and combining said non-video signal and a selected one of said at least two video signals into a combined video/non-video signal;

said combined video/non-video signal and unselected ones of said at least two video signals being transmitted to said second interface device via said transmission line;

said second interface device receiving said combined video/non-video signal from said first interface device, separating said selected video signal and said non-video signal from said combined video/non-video signal, propagating said selected video signal and said unselected ones of said at least two video signals to said video monitor and propagating said non-video signal to said I/O device.--

34
--35. A computer network, comprising:

a plurality of interconnected nodes, each one of said nodes having a DTE device coupled thereto and wherein said DTE device coupled to a first one of said nodes further comprises:

a computing system located at a first location;

a human interface located at a second location, said second location remotely located relative to said first location, said human interface comprised of a video monitor, a first input/output ("I/O") device and a second I/O device;

5
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a first interface device coupled to said computing system;
a second interface device coupled to said video monitor, said first I/O device and said second I/O device;
a transmission line coupling said first and second interface devices;
said first interface device receiving, from said computing system, a video signal to be transmitted to said video monitor, a first non-video signal to be transmitted to said first I/O device and a second non-video signal to be transmitted to said second I/O device, said first interface combining said first non-video signal and said second non-video signal to produce a combined non-video signal and combining said video signal and said combined non-video signal to produce a combined video/non-video signal;

said combined video/non-video signal being transmitted to said second interface device via said transmission line;

said second interface device receiving said combined video/non-video signal from said first interface device, separating said video signal and said combined non-video signal from said combined video/non-video signal, separating said first non-video signal and said second non-video signal from said combined non-video signal from said combined non-video signal, propagating said video signal to said video monitor, propagating said first non-video signal to said first I/O device and propagating said second non-video signal to said second I/O device.--

35
--36. A computer network, comprising:

a plurality of nodes, each one of said nodes having a DTE device coupled thereto; and

a connective structure for interconnecting said DTE devices respectively coupled to said plurality of nodes into a computer network;

said DTE device coupled to a first one of said nodes further comprising:

a computing system located at a first location;

a human interface located at a second location, said second location remotely located relative to said first location, said human interface comprised of a video monitor and an input/output ("I/O") device;

a first interface device coupled to said computing system;

a second interface device coupled to said monitor and said I/O device;

and

a cable coupling said first and second interface devices, said cable being comprised of a plurality of transmission lines;

said first interface device receiving, from said computing system, a video signal to be transmitted to said video monitor and a non-video signal to be transmitted to said I/O device, combining said video signal and said non-video signal to produce a combined video/non-video signal and transmitting said combined video/non-video signal over a selected pair of said plurality of transmission lines of said cable;

said second interface device receiving said combined video/non-video signal from said first interface device over said selected pair of said plurality of transmission line and separating said combined video/non-video signal into said video signal for transmission to said video monitor and said non-video signal for transmission to said I/O device.—

REMARKS

This application has been carefully considered in connection with the Examiner's Action. Reconsideration and allowance are respectfully requested in view of the following.

The specification has been amended to update the status of the related applications identified therein. Claims 1, 17 and 22 have been amended to more clearly distinguish the invention from the cited art. Claims 9 and 28 have been rewritten into independent form, incorporating all of the limitations of the base, and